

ABSTRACT OF THE DISCLOSURE

A TV observation system for endoscopes has an illumination system including a light source for emitting light to illuminate an object and a light transmitting section for transmitting the light from the light source to the distal end of an endoscope. The light transmitting section is constructed with a single fiber and satisfies a condition:

$$\Phi_1 > \Phi_2$$

where Φ_1 is the area of the entrance end of the single fiber and Φ_2 is the area of the exit end thereof.

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